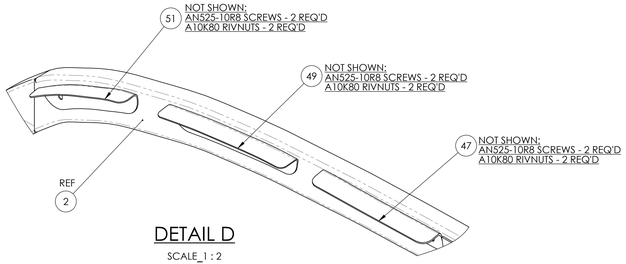
NOTES:

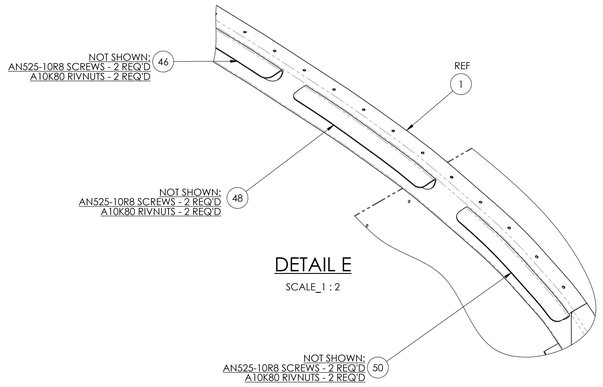
1. BREAK & TRIM ALL SHARP EDGES AS REQ'D.
2. MS20470AD5-5 RIVET FOR ALL DOUBLE THICKNESS: MS20470AD5-6 RIVETS FOR ALL TRIPLE THICKNESS.
3. FOR DETAIL VIEWS D, E, F & G, SPACE RETAINERS EQUALLY ALONG CURVE, & MATCH DRILL MOUNTING HOLES #11 (∅.191) FROM RESPECTIVE RETAINERS TO RIBS.
4. FOR DETAIL VIEWS H & J SPACE RETAINERS EQUALLY ALONG CURVE, & MATCH DRILL MOUNTING HOLES #19 (∅.166) FROM RESPECTIVE RETAINERS TO RIBS.
5. SOME FEATURES HIDDEN FOR CLARITY, SEE RESPECTIVE DRAWINGS FOR EXACT HOLE PATTERNS.

REVISIONS				
ZONE	REV.	DESCRIPTION	DATE	APPROVED
	B	FASTENERS CHANGED	10/21/2020	BGC



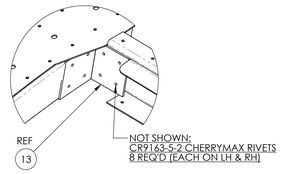
DETAIL D

SCALE_1 : 2



DETAIL E

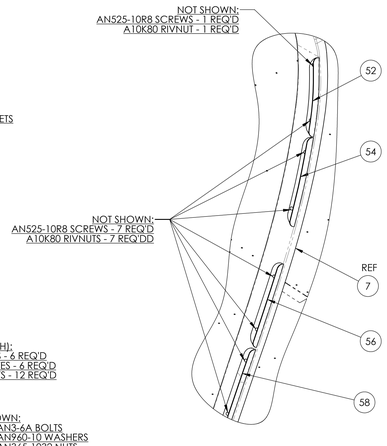
SCALE_1 : 2



DETAIL C

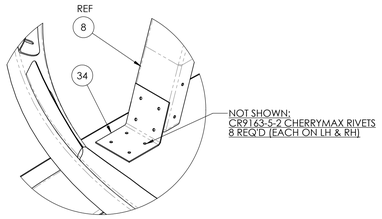
2 PLACES (LH & RH)

SCALE_1 : 2



DETAIL F

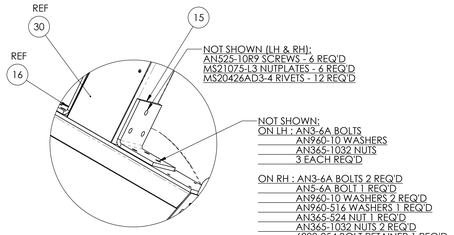
SCALE_1 : 4



DETAIL B

2 PLACES (LH & RH)

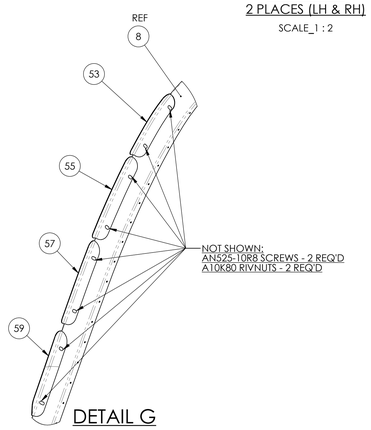
SCALE_1 : 2



DETAIL A

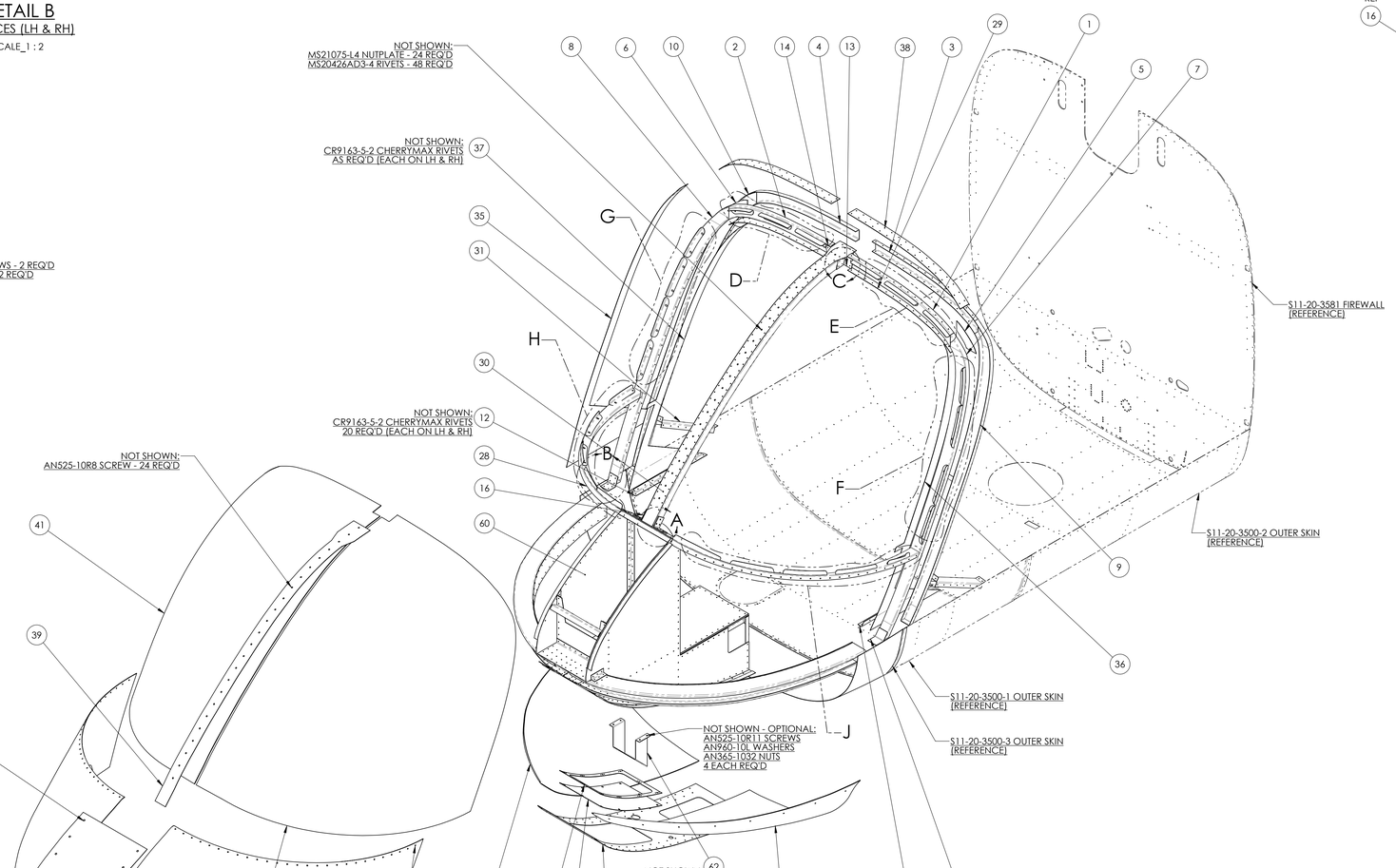
LH & RH

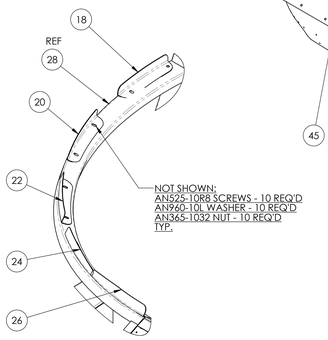
SCALE_1 : 2



DETAIL G

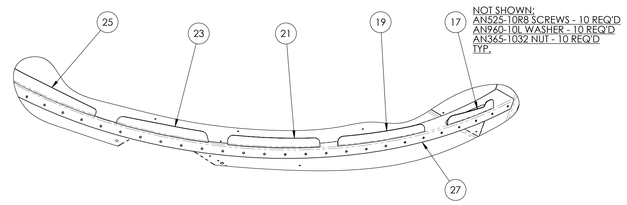
SCALE_1 : 4





DETAIL H

SCALE_1 : 4



DETAIL J

SCALE_1 : 4

FIND NO.	QTY.	PART NUMBER	DESCRIPTION	DIAMETER	THICKNESS	MATERIAL	COML. SPEC.	GOVT. SPEC.	TS-BS/SQ IN
-	1	6800-054	TWO LUG HEX BOLT RETAINER	STANDARD (PURCHASE)					
-	-	0124812FM	CLEAR LUCITE PLEXIGLASS (CUT TO 8⅛ X 12⅞)						
-	1	11-11225	AEROLEDS LANDING LIGHT						
	35	A10K80	RIVNUT						
-	10	AN365-1032	STANDARD LOCKNUTS						
-	16	AN365-832	STANDARD LOCKNUTS						
-	1	AN365-524	STANDARD LOCKNUT						
-	1	AN960-516	FLAT WASHERS						
-	4	AN960-10L	FLAT WASHERS						
-	6	AN960-10	FLAT WASHERS						
-	16	AN960-8	FLAT WASHERS						
-	1	AN5-6A	AIRFRAME BOLT						
-	6	AN3-6A	AIRFRAME BOLTS						
-	24	MS21075-L4	TWO LUG FLOATING NUTPLATES						
-	20	MS21075-L3	TWO LUG FLOATING NUTPLATES						
-	10	MS21059-L08	TWO LUG FLOATING NUTPLATES						
-	4	AN525-10R11	WASHER HEAD MACHINE SCREW						
-	6	AN525-10R9	WASHER HEAD MACHINE SCREW						
-	96	AN525-10R8	WASHER HEAD MACHINE SCREW						
-	26	AN525-832R9	WASHER HEAD MACHINE SCREW						
-	AR	CR9163-5-2	CHERRYMAX RIVETS, UNIVERSAL HEAD						
-	AR	MS20470AD5-6	SOLID RIVETS, UNIVERSAL HEAD						
-	AR	MS20470AD5-5	SOLID RIVETS, UNIVERSAL HEAD						
-	2	MS20470AD4-8	SOLID RIVETS, UNIVERSAL HEAD						
-	28	MS20426AD3-5	SOLID RIVETS, UNIVERSAL HEAD						
62	1	S11-55-1103	LANDING LIGHT BRACKET	N/A	.050	ALUMINUM ALLOY	2024-T3	QQ-A-250/4	63.100
61	1	S11-55-1102	LANDING LIGHT BEZEL	N/A	.040	ALUMINUM ALLOY	2024-T3	QQ-A-250/4	63.100
60	1	S11-20-7100L	NOSE BOX ASSEMBLY	SUB-ASSEMBLY					
59	1	S11-20-7060-10	RH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
58	1	S11-20-7060-9	LH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
57	1	S11-20-7060-8	RH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
56	1	S11-20-7060-7	LH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
55	1	S11-20-7060-6	RH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
54	1	S11-20-7060-5	LH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
53	1	S11-20-7060-4	RH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
52	1	S11-20-7060-3	LH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
51	1	S11-20-7059-8	RH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
50	1	S11-20-7059-7	LH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
49	1	S11-20-7059-6	RH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
48	1	S11-20-7059-5	LH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
47	1	S11-20-7059-4	RH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
46	1	S11-20-7059-3	LH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
45	1	S11-20-7058	BATT. COVER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	FIBERGLASS			
44	1	S11-20-7057	NOSE TIP SKIN, FUSELAGE, NOSE ASSEMBLY	N/A	.062	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	63.100
43	1	S11-20-7056-2	RH CHIN WINDOW, FUSELAGE, NOSE ASSEMBLY	N/A	.080	PLEXIGLASS	MIL-P-6997	-	11.200
42	1	S11-20-7056-1	LH CHIN WINDOW, FUSELAGE, NOSE ASSEMBLY	N/A	.080	PLEXIGLASS	MIL-P-6997	-	11.200
41	1	S11-20-7055-2	WINDSHIELD, FUSELAGE, NOSE ASSEMBLY	N/A	.094	PLEXIGLASS	-	-	-
40	1	S11-20-7055-1	LH WINDSHIELD, FUSELAGE, NOSE ASSEMBLY	N/A	.094	PLEXIGLASS			
39	1	S11-20-7053	CAP, FUSELAGE, WINDSHIELD COLUMN ASSEM.	N/A	.040	ALUMINUM ALLOY	2024-T3	QQ-A-250/4	63.100
38	2	S11-20-7051	CAP, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T3	QQ-A-250/4	63.100
37	1	S11-20-7050-2	RH SKIN, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T3	QQ-A-250/4	63.100
36	1	S11-20-7050-1	LH SKIN, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T3	QQ-A-250/4	63.100
35	1	S11-20-7049	RH SKIN, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024/T3	QQ-A-250/4	63.100
34	1	S11-20-7048-2	RH CLIP, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T3	QQ-A-250/4	63.100
33	1	S11-20-7048-1	LH CLIP, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T3	QQ-A-250/4	63.100
32	1	S11-20-7046	SKIN, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T3	QQ-A-250/4	63.100
31	2	S11-20-7022	CHANNEL, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T3	QQ-A-250/4	63.100
30	1	S11-20-7018	WINDSHIELD COLUMN ASSEMBLY	SUB-ASSEMBLY					
29	2	S11-20-7014	SKIN, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T3	QQ-A-250/4	63.100
28	1	S11-20-7013-2	RH CHANNEL, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
27	1	S11-20-7013-1	LH CHANNEL, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
26	1	S11-20-7012-12	RH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
25	1	S11-20-7012-11	LH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T3	QQ-A-250/4	63.100
24	1	S11-20-7012-10	RH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
23	1	S11-20-7012-9	LH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
22	1	S11-20-7012-8	RH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
21	1	S11-20-7012-7	LH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T3	QQ-A-250/4	63.100
20	1	S11-20-7012-6	RH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
19	1	S11-20-7012-5	LH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
18	1	S11-20-7012-4	RH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
17	1	S11-20-7012-3	LH RETAINER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
16	1	S11-20-7010-2	RH ANGLE, FUSELAGE, NOSE ASSEMBLY	N/A	.125	ALUMINUM ALLOY	2024-T3	QQ-A-250/4	63.100
15	1	S11-20-7010-1	LH ANGLE, FUSELAGE, NOSE ASSEMBLY	N/A	.125	ALUMINUM ALLOY	2024-T3	QQ-A-250/4	63.100
14	1	S11-20-7007-2	RH ANGLE, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T3	QQ-A-250/4	63.100
13	1	S11-20-7007-1	LH ANGLE, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T3	QQ-A-250/4	63.100
12	1	S11-20-7006-2	RH ANGLE, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T3	QQ-A-250/4	63.100
11	1	S11-20-7006-1	LH ANGLE, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T3	QQ-A-250/4	63.100
10	1	S11-20-7005-2	RH RIB, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
9	1	S11-20-7005-1	LH RIB, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
8	1	S11-20-7004-2	RH RIB, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
7	1	S11-20-7004-1	LH RIB, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
6	1	S11-20-7003-2	RH DOUBLER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
5	1	S11-20-7003-1	LH DOUBLER, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
4	1	S11-20-7002-2	RH RIB, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
3	1	S11-20-7002-1	LH RIB, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
2	1	S11-20-7001-2	RH RIB, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN
1	1	S11-20-7001-1	LH RIB, FUSELAGE, NOSE ASSEMBLY	N/A	.040	ALUMINUM ALLOY	2024-T4	QQ-A-250/4	59.000 MIN

PROPRIETARY AND CONFIDENTIAL

THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION THAT IS THE SOLE PROPERTY OF VERTICAL AVIATION TECHNOLOGIES, INCORPORATED AND IS TENDERED SUBJECT TO THE FOLLOWING CONDITIONS. THE INFORMATION (A) WILL BE RETAINED IN CONFIDENCE, (B) WILL NOT BE COPIED OR REPRODUCED IN WHOLE OR IN PART AND (C) WILL NOT BE USED OR INCORPORATED IN ANY PRODUCT EXCEPT UNDER AN EXPRESS WRITTEN AGREEMENT WITH VERTICAL AVIATION TECHNOLOGIES, INCORPORATED

UNLESS OTHERWISE SPECIFIED:
DIMENSIONS ARE IN INCHES
STANDARD TOLERANCES
FRACTIONS: ±1/32
X.XX: ±.01
X.XXX: ±.005
ANGLES: ±.5°
INTERPRET GEOMETRIC TOLERANCING PER: ASME Y14.5
DO NOT SCALE DRAWING

	NAME	DATE
DRAWN	S. OLANREWAJU	3/10/2017
CHECKED	BGC	10/21/2020
APPROVED	BGC	10/21/2020

S11-01-1500-K | NEXT ASSY | 300L/300LS | USED ON | APPLICATION

Vertical Aviation Technologies, Incorporated
1609 Hangar Road
Sanford, Florida 32773
407-322-9488
www.vertical-aviation.com

TITLE: NOSE ASSEMBLY, FUSELAGE

SIZE: E | DWG NO: S11-20-7000-K | REV: B

SCALE: 1:8 | WEIGHT: OZ | SHEET 1 OF 1